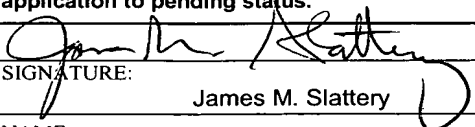| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371	ATTORNEY'S DOCKET NUMBER 4390-0106PUS1
	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/517452

INTERNATIONAL APPLICATION NO. PCT/CN03/00055	INTERNATIONAL FILING DATE 22 January 2003	PRIORITY DATE CLAIMED 12 June 2002

TITLE OF INVENTION   BIOCHIP WITH MAXIMIZATION OF THE REACTOR NUMBER

APPLICANT(S) FOR DO/EO/US   Fanglin ZOU; Chunsheng CHEN; Jianxia WANG; and Ning CHEN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. [x] This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.

2. [ ] This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.

3. [x] This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.

4. [ ] The US has been elected (Article 31).

5. [x] A copy of the International Application as filed (35 U.S.C. 371 (c)(2))

   a. [ ] is attached hereto (required only if not communicated by the International Bureau).

   b. [x] has been communicated by the International Bureau.

   c. [ ] is not required, as the application was filed in the United States Receiving Office (RO/US).

6. [x] An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).

   a. [x] is attached hereto.

   b. [ ] has been previously submitted under 35 U.S.C. 154(d)(4).

7. [x] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))

   a. [ ] are attached hereto (required only if not communicated by the International Bureau).

   b. [ ] have been communicated by the International Bureau.

   c. [ ] have not been made; however, the time limit for making such amendments has NOT expired.

   d. [x] have not been made and will not be made.

8. [ ] An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).

9. [x] An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).

10. [ ] An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. [x] An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. [ ] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. [x] A preliminary amendment.

14. [ ] An Application Data Sheet under 37 CFR 1.76.

15. [ ] A substitute specification.

16. [ ] A power of attorney and/or change of address letter.

17. [ ] A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.

18. [ ] A second copy of the published International Application under 35 U.S.C. 154(d)(4).

19. [ ] A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).

20. [x] Other items or information: PCT/IB/308; PCT/ISA/210; Drawings Six (6) Sheets

USE IN LIEU OF PTO-1390 (Rev. 10-2004)
Reflects USPTO filing fees in effect from 12/__/04

U.S. APPLICATION NO. (If known fee-37 CFR 1.27) **10/517452** NEW	INTERNATIONAL APPLICATION NO. PCT/CN03/00055	ATTORNEY'S DOCKET NUMBER 4390-0106PUS1

21. [x] The following fees are submitted:	CALCULATIONS PTO USE ONLY

BASIC NATIONAL FEE

	CALCULATIONS	PTO USE ONLY
Filing Fee	$ 300.00	
Search Fee	$ 500.00	
Examination Fee	$ 200.00	
Application Size Fee, each additional 50 sheets over 100 sheets	$	
TOTAL FILING FEE =	$ 1,000.00	

Surcharge of **$130.00** for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).	$	

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	20-20 =		x	$	
Independent claims	1-3 =		x	$	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	$	
TOTAL OF ABOVE CALCULATIONS =				$ 1,000.00	
[x] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.				$ 500.00	
SUBTOTAL =				$ 500.00	

Processing fee of **$130.00** for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).	$	

TOTAL NATIONAL FEE =	$ 500.00	

Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **$40.00** per property +	$	

TOTAL FEES ENCLOSED =	$ 500.00	
	Amount to be refunded:	$
	Amount to be charged:	$

a. [x] A check in the amount of $ 500.00   to cover the above fees is enclosed.

b. [ ] Please charge my Deposit Account No. _____ in the amount of $ _____
to cover the above fees. A duplicate copy of this sheet is enclosed.

c. [x] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No.   02-2448   . A duplicate copy of this sheet is enclosed.

d. [ ] Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

CUSTOMER NUMBER: 02292

December 9, 2004

/clb

SIGNATURE: _____

James M. Slattery
NAME

28,380
REGISTRATION NUMBER